

WHAT IS CLAIMED IS:

1. In a color cathode ray tube including a tension mask assembly consisting of a tension mask for color-discriminating an electron beam, and a main frame and a sub frame for supporting
5 the tension mask, and a magnetic shield structure disposed at a funnel, for preventing deflection and distortion of the electron beam, the magnetic shield structure comprising:

a main unit for shielding the inner sides of the funnel; and

a front unit where the tension mask assembly is inserted.

10 2. The structure according to claim 1, wherein the front unit has a hole so that the tension mask assembly can be inserted into the hole, and both end portions of the front unit have side walls.

15 3. The structure according to claim 2, wherein the front unit has at its both end portions an internally-protruded inside wall, and an outside wall for forming an outer wall separated from the inside wall by a top surface having a predetermined thickness.

4. The structure according to claim 1, wherein the main unit has an electron beam passing hole, and is formed in a barrel shape corresponding to the inside shape of the funnel.

20 5. The structure according to claim 2 or 4, wherein the main unit and the front unit are

combined by fixing pins.

6. The structure according to claim 2 or 4, wherein the main unit and the front unit are welded.

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7. The structure according to claim 1, wherein the front unit consists of a metal of high permeability.

8. The structure according to claim 3, wherein the end portion of the front unit is positioned in a spatial range between the half height of the main frame and the inner surface of the panel.